

Serial No. 10/574,656

Docket No. K-0789

Amdt. dated December 2, 2008

Reply to Office Action of September 2, 2008

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A refrigerator, comprising:
 - a cold air duct ~~for receiving~~ configured to receive cold air circulating ~~insides~~ inside of a refrigerating chamber and a freezing chamber;
 - an evaporator in the cold air duct;
 - at least one defrosting heater in the cold air duct ~~for selective emission of~~ configured to selectively emit heat;
 - a fan in the cold air duct, ~~for selective direction of~~ that selectively directs the cold air in an upward or downward direction;
 - a motor ~~for driving~~ that drives the fan; and
 - an open/close means for closing device that selectively opens and closes a space ~~having~~ containing the evaporator, the defrosting heater, and the fan positioned therein; selectively, wherein the open/close device is configured to be rotated by a force of a flow of the cold air generated by rotation of the fan.

2. (Currently Amended) The refrigerator as claimed in claim 1, wherein the open/close ~~means includes;~~ device comprises:

a first open/close part on an upper side of the space[[,]]; and

a second open/close part on a lower side of the space.

3. (Currently Amended) The refrigerator as claimed in claim 2, wherein the first and second open/close parts each ~~includes;~~ comprises:

a supporting plate having a plurality of openings[[,]]; and

a plurality of rotating plates each having one side coupled to the supporting plate ~~with by~~ a hinge, and the other side rotatable upward by a predetermined angle.

4. (Currently Amended) The refrigerator as claimed in claim 3, wherein ~~the each~~ rotating plate ~~is constructed from~~ comprises a thin plate, ~~so that the rotating plate is rotated~~ upward by a predetermined angle to open ~~the a~~ respective opening ~~when the cold air is directed~~ upward by the fan of the plurality of openings.

5. (Currently Amended) The refrigerator as claimed in claim 3, wherein the rotating plate ~~has a size enough to cover~~ covers an upper circumference of the respective opening ~~for closing to close the opening when the cold air is directed downward by the fan.~~

6. (Currently Amended) The refrigerator as claimed in claim 3, wherein the rotating plate is held by a rear end of an adjacent rotating plate and the supporting plate, ~~for preventing~~ to prevent the rotating plate from rotating downward.

7. (Original) The refrigerator as claimed in claim 1, wherein the fan is positioned over the evaporator.

8. (Currently Amended) The refrigerator as claimed in claim 1, wherein the defrosting heater is positioned between the fan ~~an~~ and the evaporator.

9. (Original) The refrigerator as claimed in claim 1, wherein the defrosting heater is fabricated as one unit with the fan.

10. (Currently Amended) The refrigerator as claimed in claim 1, wherein the defrosting heater ~~includes;~~ comprises:

a hot wire ~~for functioning that functions~~ as a resistance body connected to a power source for emission of heat[[]]; and

a film of an electrical insulating material surrounding ~~an outside of~~ the hot wire.

11. (Currently Amended) The refrigerator as claimed in claim 10, wherein the evaporator ~~includes;~~ comprises:

~~a at least one refrigerant pipe having~~ configured to receive a refrigerant flowing that flows therethrough[[,]]; and

~~a plurality of fins on an outside of~~ in contact with the at least one refrigerant pipe.

12. (Currently Amended) A refrigerator, comprising:

~~a cold air duct for receiving~~ configured to receive cold air circulating insides inside of a refrigerating chamber and a freezing chamber;

~~an evaporator disposed in the cold air duct, the evaporator having~~ comprising at least one refrigerant pipes having pipe configured to receive a refrigerant flowing that flows therethrough, and a plurality of fins on outside of in contact with the at least one refrigerant pipes pipe[[,]]; and

~~at least one defrosting heater in contact with~~ one or more of the plurality of fins for selective emission of heat; and

~~an open/close device provided at an upper portion and a lower portion of a space containing the evaporator and the defrosting heater positioned therein, that opens and closes the space.~~

13. (Currently Amended) The refrigerator as claimed in claim 12, wherein the defrosting heater ~~includes; comprises:~~

a hot wire ~~for functioning that functions~~ as a resistance body connected to a power source for emission of heat[[,]]; and

a film of an electrical insulating material surrounding ~~an outside of~~ the hot wire.

14. (Currently Amended) The refrigerator as claimed in claim 13, wherein the hot wire is a bent carbon hot wire ~~bent closely~~.

15. (Original) The refrigerator as claimed in claim 13, wherein the film is formed of PET material.

16. (Original) The refrigerator as claimed in claim 12, wherein the defrosting heater is a PTC device.

17. (Currently Amended) The refrigerator as claimed in claim 12, wherein the defrosting heater is attached to a surface of at least one ~~surface of~~ the plurality of fins.

18. (Currently Amended) The refrigerator as claimed in claim 12, wherein the defrosting heater is attached to one side ~~circumferences of the~~ plurality of fins.

19. (Currently Amended) The refrigerator as claimed in claim 12, wherein the defrosting heater has pass through holes ~~for pass through of the~~ at least one refrigerant pipes pipe.

20. (Currently Amended) The refrigerator as claimed in claim 12, wherein at least a portion of the plurality of fins of the evaporator have insertion slots in side surfaces ~~for inserting~~ configured to receive the defrosting heater.

21. (Canceled)

22. (Currently Amended) The refrigerator as claimed in claim 21, further comprising:
a fan in the cold air duct ~~for selective direction of~~ that selectively directs the cold air ~~to in an~~ upward or downward direction; and
a motor ~~for driving~~ that drives the fan.

23. (Currently Amended) The refrigerator as claimed in claim 22, wherein the open/close ~~part includes;~~ device comprises:

a supporting plate having a plurality of openings[,,]; and

a plurality of rotating plates each having one side coupled to one side of the supporting plate ~~with~~ by a hinge, and the other side rotatable upward by a predetermined angle.

24. (Currently Amended) The refrigerator as claimed in claim 23, wherein the rotating plate ~~is constructed from~~ comprises a thin plate[,,] ~~so that the rotating plate is rotated upward by~~ a predetermined angle to open the a respective opening of the plurality of openings ~~when the cold air is directed upward by the fan.~~

25. (Currently Amended) The refrigerator as claimed in claim 23, wherein the rotating plate ~~has a size enough to cover~~ covers an upper circumference of the respective opening ~~for closing to close the opening when the cold air is directed downward by the fan.~~